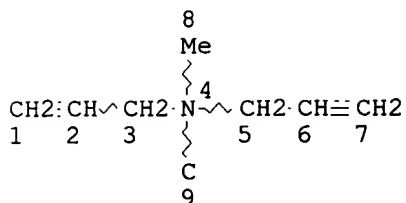


=&gt; d que 117

L8 STR



*Considered.*  
10/29/02  
MCC

NODE ATTRIBUTES:

DEFAULT MLEVEL IS ATOM

DEFAULT ECLEVEL IS LIMITED

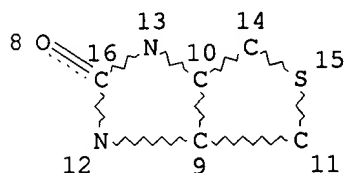
GRAPH ATTRIBUTES:

RING(S) ARE ISOLATED OR EMBEDDED

NUMBER OF NODES IS 9

STEREO ATTRIBUTES: NONE

L11 STR



NODE ATTRIBUTES:

DEFAULT MLEVEL IS ATOM

DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:

RING(S) ARE ISOLATED OR EMBEDDED

NUMBER OF NODES IS 9

STEREO ATTRIBUTES: NONE

L13 1211 SEA FILE=REGISTRY SSS FUL L8

L15 5222 SEA FILE=REGISTRY SSS FUL L11

L17 5 SEA FILE=HCAPLUS ABB=ON PLU=ON L13 AND L15

=&gt; d ibib abs hitstr 1-5 117

L17 ANSWER 1 OF 5 HCAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 2001:100942 HCAPLUS

DOCUMENT NUMBER: 134:152367

TITLE: Hair conditioning composition comprising hydrophobically modified cellulose ether

INVENTOR(S): Venkateswaran, Ananthanarayan; Yang, Jian-zhong; Salvador, Dorothy Juanico; Tsukikawa, Tota

PATENT ASSIGNEE(S): The Procter &amp; Gamble Company, USA

SOURCE: PCT Int. Appl., 46 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001008644	A1	20010208	WO 2000-US20662	20000728
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KR, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
EP 1200044	A1	20020502	EP 2000-950869	20000728
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL			

PRIORITY APPLN. INFO.:

WO 1999-US17163 W 19990729  
 WO 2000-US20662 W 20000728

OTHER SOURCE(S): MARPAT 134:152367

AB A hair conditioning compn. comprises by wt.: (a) 0.001-2% of a hydrophobically modified cellulose ether comprising a hydrophilic cellulose backbone and a hydrophobic substitution group; (b) 0.1-15% of a fatty compd. having a m.p. of .gtoreq. 25.degree.; (c) 0.1-10% of a cationic conditioning agent having satd. alkyl groups; and (d) an aq. carrier. The hydrophilic cellulose backbone is water sol., selected from the group consisting of Me cellulose, hydroxymethyl cellulose, hydroxyethyl cellulose, hydroxyethyl Et cellulose, hydroxypropyl cellulose, hydroxypropyl Me cellulose, hydroxybutyl cellulose, and mixts. thereof. The hydrophobic substitution group is grafted to render the hydrophobically modified cellulose ether to have less than 1% water soly. The hydrophobic substitution group is selected from a straight or branched chain alkyl group of from about 10 to about 22 carbons. The ratio of the hydrophilic groups in the hydrophilic cellulose backbone to the hydrophobic substitution group is 2:1 to 1000:1, resp. The compns. can be prepd. by any conventional method as follows: cetyl hydroxyethyl cellulose and, if present, polyethylene glycol are dispersed in water at room temp. to make a polymer soln., and heated up to above 70.degree.. Amidoamine and acid (e.g. glutamic acid), or other cationic conditioning agents, and if present, ester oils are added in the soln. with agitation. Then, the high m.p. fatty compd., and if present, other low m.p. oils and benzyl alc. are also added in the soln. with agitation. The mixt. thus obtained is cooled down to below 60.degree., and the remaining components such as silicone blend or cationic silicone emulsion are added with agitation, and further cooled down to about 30.degree..

IT 58-85-5, 92183-41-0, Polyquaternium-4

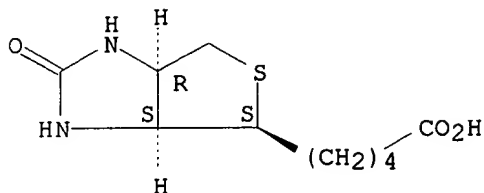
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)

(hair conditioning compns. comprising hydrophobically modified cellulose ether)

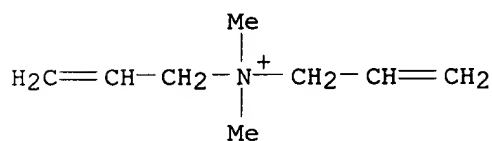
RN 58-85-5 HCAPLUS

CN 1H-Thieno[3,4-d]imidazole-4-pentanoic acid, hexahydro-2-oxo-, (3aS,4S,6aR) - (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



RN 92183-41-0 HCAPLUS  
 CN Cellulose, 2-hydroxyethyl ether, polymer with N,N-dimethyl-N-2-propenyl-2-propen-1-aminium chloride (9CI) (CA INDEX NAME)  
 CM 1  
 CRN 7398-69-8  
 CMF C8 H16 N . Cl



● Cl<sup>-</sup>

CM 2  
 CRN 9004-62-0  
 CMF C2 H6 O2 . x Unspecified  
 CM 3  
 CRN 9004-34-6  
 CMF Unspecified  
 CCI PMS, MAN

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

CM 4  
 CRN 107-21-1  
 CMF C2 H6 O2

HO-CH<sub>2</sub>-CH<sub>2</sub>-OH

REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L17 ANSWER ② OF 5 HCAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 2000:741881 HCAPLUS

DOCUMENT NUMBER: 133:313361

TITLE: Aqueous cosmetic preparation containing tartaric acid esters or citric acid esters of alkyl polyglucose, and vitamins

INVENTOR(S): Meyer, Jens; Goddinger, Dieter; Seidel, Winfried; Foitzik, Joachim-kurt

PATENT ASSIGNEE(S): Hans schwarzkopf G.m.b.H. &amp; Co. K.-G., Germany

SOURCE: PCT Int. Appl., 30 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

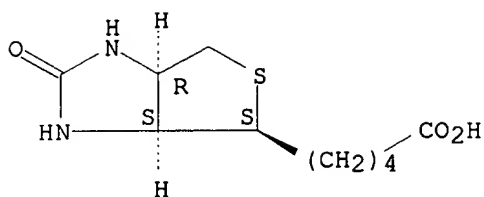
LANGUAGE: German

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000061100	A1	20001019	WO 2000-EP2968	20000404
W: AU, BR, BY, CA, CN, CZ, HU, JP, KR, NZ, PL, RU, SI, SK, US				
RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
DE 19916333	A1	20001019	DE 1999-19916333	19990412
PRIORITY APPLN. INFO.:		DE 1999-19916333 A 19990412		
AB	The invention relates to aq. cosmetic preps. for the treatment of the hair or skin, on the basis of a mild surface-active agent. Said preps. contain: as surface-active agent at least one ester of a hydroxy-substituted bi- or tricarboxylic acid (A) of general formula X-C(OH)(COOR1)-CH(Y)(COOR2), in which X is H or a CH2COOR group; Y is H or OH, provided that Y is H if X is CH2COOR; R, R1 and R2 independently of each other are a hydrogen atom, an alkali or alk. earth metal cation, an ammonium group, the cation of an ammonium-org. base or a rest Z which stems from a polyhydroxylated org. compd. selected from the group comprising etherified (C6-C18)-alkyl polysaccharides with between 1 and 6 monomeric saccharide units and etherified aliph. (C6-C16)-hydroxyalkyl polyols with between 2 and 16 hydroxyl rests, provided that at least one of the groups R, R1 or R2 is a rest Z; and a cosmetic active ingredient (B), selected from <u>vitamins, provitamins and vitamin precursors</u> as well as their derivs. The above preps. are characterized by <del>exceptional mildness</del> and highly effective active ingredients.			
IT	58-85-5, Biotin 26590-05-6, Merquat 550			
	RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)			
	(aq. cosmetic product which contains tartaric or citric acid esters of alkyl polyglucose and acidic active substance with preservative properties)			
RN	58-85-5 HCAPLUS			
CN	1H-Thieno[3,4-d]imidazole-4-pentanoic acid, hexahydro-2-oxo-, (3aS,4S,6aR)- (9CI) (CA INDEX NAME)			

Absolute stereochemistry. Rotation (+).



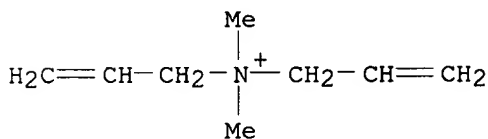
RN 26590-05-6 HCAPLUS

CN 2-Propen-1-aminium, N,N-dimethyl-N-2-propenyl-, chloride, polymer with 2-propenamide (9CI) (CA INDEX NAME)

CM 1

CRN 7398-69-8

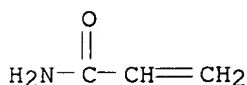
CMF C8 H16 N . Cl

● Cl<sup>-</sup>

CM 2

CRN 79-06-1

CMF C3 H5 N O



REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L17 ANSWER 3 OF 5 HCAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 2000:351168 HCAPLUS

DOCUMENT NUMBER: 132:349681

TITLE: High-water-content water-in-oil emulsions containing surfactants and cationic polymers for cosmetic and pharmaceutical applications

INVENTOR(S): Bleckmann, Andreas; Kropke, Rainer; Schneider, Gunther

PATENT ASSIGNEE(S): Beiersdorf Aktiengesellschaft, Germany

SOURCE: Eur. Pat. Appl., 14 pp.

CODEN: EPXXDW

DOCUMENT TYPE: Patent

LANGUAGE: German

FAMILY ACC. NUM. COUNT: 1

## PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 1002569	A2	20000524	EP 1999-120946	19991102
EP 1002569	A3	20000906		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
DE 19855153	A1	20000525	DE 1998-19855153	19981130
JP 2000154114	A2	20000606	JP 1999-322397	19991112

## PRIORITY APPLN. INFO.:

DE 1998-19853281 A	19981119
DE 1998-19855153 A	19981130

AB High-water-content water-in-oil emulsions, esp. for cosmetic and medicinal applications, contg. >80 wt.% water and water-sol. components and <20 wt.% lipids, emulsifiers, and lipophilic components, consist of at least one surface-active substance of general formula A-O-[CHR1-X-CHR2-O]a-A', in which A and A' are C10-30-alkyl, acyl, and hydroxyacyl, as well as ester functions combined with hydroxyacyl groups, of general formula, -O-C(:O)-R4-CHR3-O[C(:O)R4-CHR3-O]b-C(:O)R4-CHR3OH, R3 is C1-20-alkyl; R4 is branched or linear C1-20-alkylene; b = 0-200; a = 1-100 (most preferably 5-40); X is a single bond or -CH(OR5)-; R1 and R2 = H or Me; R5 = H, C1-20-alkyl or acyl; and further contg. at least one cationic polymer. The cationic polymers are selected from a no. of derivatized biopolymers (e.g., cationic starches, guar gum, chitosan, chitin, quaternized polypeptides, and collagen polypeptides) and synthetic polymers (e.g., polymers of diallylammonium salts and quaternized polymers).

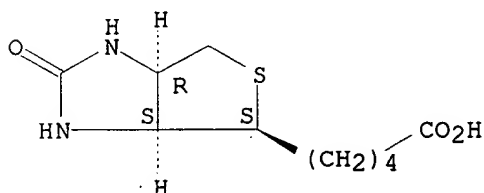
IT 58-85-5, Biotin 53694-17-0, Acrylic acid-dimethyldiallylammonium chloride copolymer

RL: TEM (Technical or engineered material use); USES (Uses)  
(emulsions contg.; high-water-content water-in-oil emulsions contg. surfactants and cationic polymers for cosmetic and pharmaceutical applications)

RN 58-85-5 HCAPLUS

CN 1H-Thieno[3,4-d]imidazole-4-pentanoic acid, hexahydro-2-oxo-, (3aS,4S,6aR)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



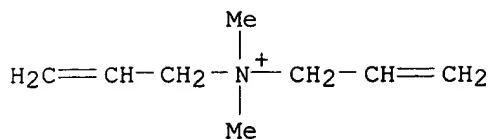
RN 53694-17-0 HCAPLUS

CN 2-Propen-1-aminium, N,N-dimethyl-N-2-propenyl-, chloride, polymer with 2-propenoic acid (9CI) (CA INDEX NAME)

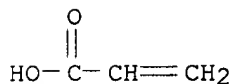
CM 1

CRN 7398-69-8

CMF C8 H16 N . Cl

● Cl<sup>-</sup>

CM 2

CRN 79-10-7  
CMF C3 H4 O2

L17 ANSWER 4 OF 5 HCAPLUS COPYRIGHT 2002 ACS  
 ACCESSION NUMBER: 1999:90246 HCAPLUS  
 DOCUMENT NUMBER: 130:123819  
 TITLE: Method for performing rubella assay  
 INVENTOR(S): Jou, Yi-her; Stroupe, Stephen D.; Adamczyk, Janina;  
 Safford, John  
 PATENT ASSIGNEE(S): Abbott Laboratories, USA  
 SOURCE: U.S., 32 pp., Cont.-in-part of U.S. Ser. No. 375,029,  
 abandoned.  
 CODEN: USXXAM  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 7  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 5866322	A	19990202	US 1991-776495	19911011
AU 8938913	A1	19891102	AU 1989-38913	19890725
AU 626563	B2	19920806		
WO 9307298	A1	19930415	WO 1992-US8035	19920922
W: CA, JP				
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, SE				
US 5459078	A	19951017	US 1993-74719	19930609
US 5459080	A	19951017	US 1994-187814	19940127
US 5670381	A	19970923	US 1995-436950	19950508
PRIORITY APPLN. INFO.:			US 1988-150278	B2 19880129
			US 1989-375029	B2 19890707
			US 1991-707483	B1 19910530
			US 1991-707726	B1 19910530
			US 1991-708137	B2 19910530

US 1991-776495 A 19911011

US 1994-233202 B1 19940426

AB The present invention includes novel rubella assays employing a Rubella virus capture reagent and a solid phase material contg. a reaction site comprising a polymeric cation substance. A test sample suspected of contg. Rubella antibody may be contacted with the capture reagent to form a capture reagent/analyte complex. The complex is then contacted to the pos. charged solid phase to attract, attach, and immobilize the capture reagent/analyte complex.

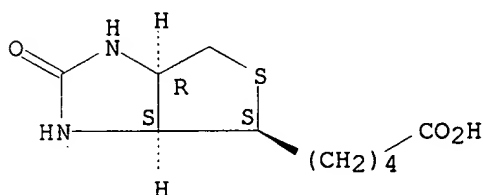
IT 58-85-5, Biotin

RL: ARG (Analytical reagent use); ANST (Analytical study); USES (Uses)  
(method for performing rubella assay)

RN 58-85-5 HCAPLUS

CN 1H-Thieno[3,4-d]imidazole-4-pentanoic acid, hexahydro-2-oxo-,  
(3aS,4S,6aR)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).

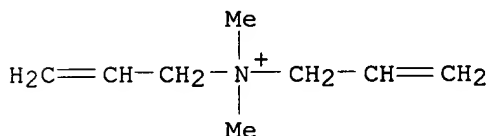


IT 7398-69-8, Dimethyldiallylammonium chloride

RL: ARU (Analytical role, unclassified); ANST (Analytical study)  
(method for performing rubella assay)

RN 7398-69-8 HCAPLUS

CN 2-Propen-1-aminium, N,N-dimethyl-N-2-propenyl-, chloride (9CI) (CA INDEX NAME)



● Cl<sup>-</sup>

REFERENCE COUNT: 45 THERE ARE 45 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L17 ANSWER 5 OF 5 HCAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1996:388629 HCAPLUS

DOCUMENT NUMBER: 125:67171

TITLE: Method of preparing and composition for treatment of hair and scalp

INVENTOR(S): Baylin, Michael E.

PATENT ASSIGNEE(S): USA

SOURCE: U.S., 5 pp.

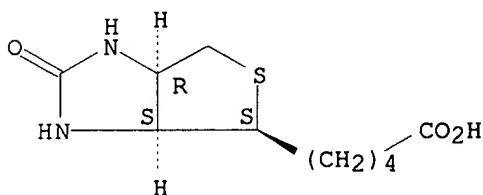


DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

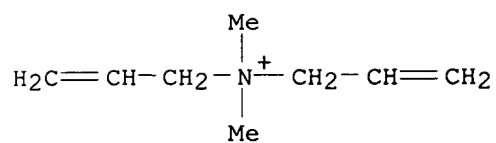
CODEN: USXXAM

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	US 5523078	A	19960604	US 1995-383299	19950203
AB	An aq. compn. for the treatment of hair and scalp includes a chelating agent, gellan gum, a vitamin precursor, a preservative, biotin, a vitamin deriv., .gamma.-linolenic acid, menthol, a liposome, a conditioner, a solubilizer, a humectant, folic acid, and a polyamino sugar condensate. The compn. improves the health and appearance of hair by improving the thickness and fullness of the hair. For example, a hair prepn. contained water 70-80, di-Na EDTA 0.01-0.1, gellan gum 0.1-1.0, sorbitol 0.5-3.0, panthenol 0.1-1.5, methylparaben 0.1-0.5, imidazolidinyl urea 0.1-0.5, K sorbate 0.01-0.5, biotin 0.01-1.0, tocopherol nicotinate 0.1-1.5, borage seed oil 0.1-1.0, menthyl lactate 0.5-3.0, tocopherol acetate 0.01-0.5, menthol 0.1-1.0, allantoin acetyl methionine 0.1-1.0, hydrogenated ethoxylated castor oils 0.1-5.0, PPG-2-isodeceth 12 0.1-5.0, oleth-10 0.1-3.0, polysorbate 0.1-4.0, polyquaternium-39 0.1-3.0, folic acid 0.01-0.5, NaOH 0.1-2.0, polyamino sugar condensate 0.01-0.25, hydrolyzed soy protein 0.01-3.0, and fragrances 0.01-1.0%.				
IT	<del>58-85-5, Biotin 25136-75-8, Polyquaternium 39</del> RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses) (hair prepn. contg. vitamins and conditioners for improvement of hair thickness and fullness)				
RN	58-85-5 HCAPLUS				
CN	1H-Thieno[3,4-d]imidazole-4-pentanoic acid, hexahydro-2-oxo-, (3aS,4S,6aR)- (9CI) (CA INDEX NAME)				

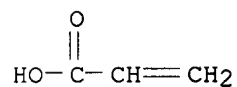
Absolute stereochemistry. Rotation (+).



RN 25136-75-8 HCAPLUS  
 CN 2-Propen-1-aminium, N,N-dimethyl-N-2-propenyl-, chloride, polymer with 2-propenamides and 2-propenoic acid (9CI) (CA INDEX NAME)  
 CM 1  
 CRN 7398-69-8  
 CMF C8 H16 N . Cl



CM 2

CRN 79-10-7  
CMF C3 H4 O2

CM 3

CRN 79-06-1  
CMF C3 H5 N O